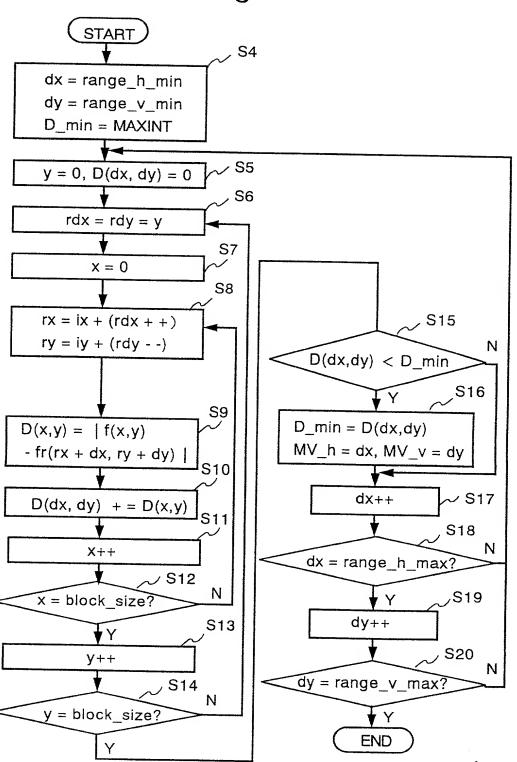
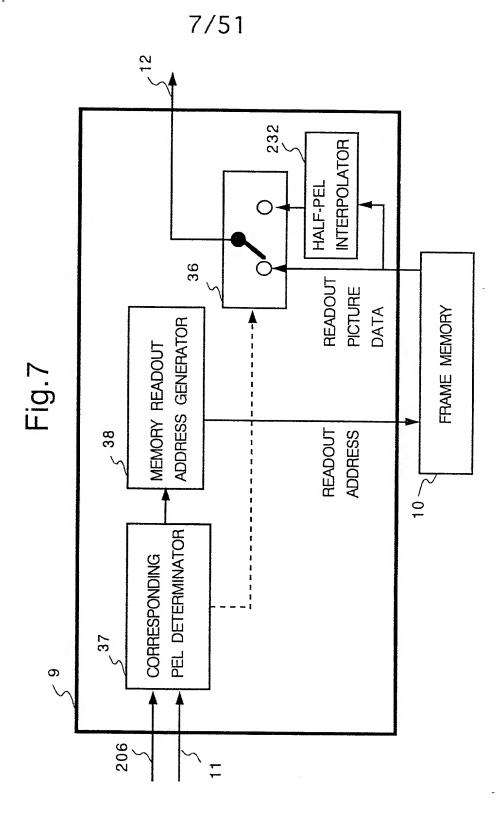


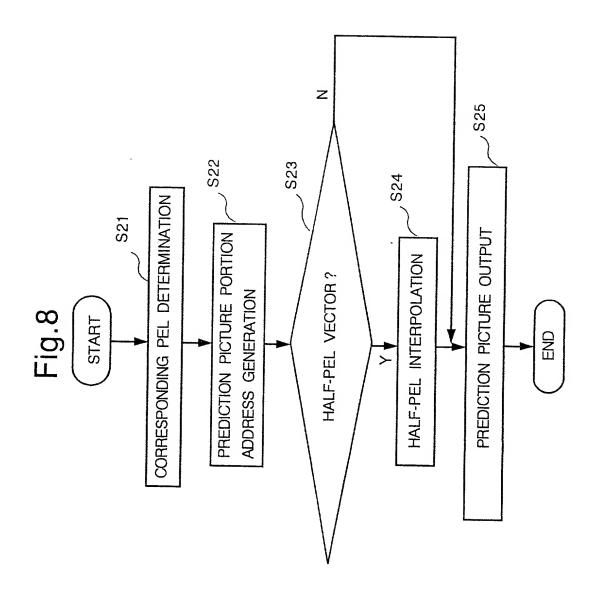
6/51

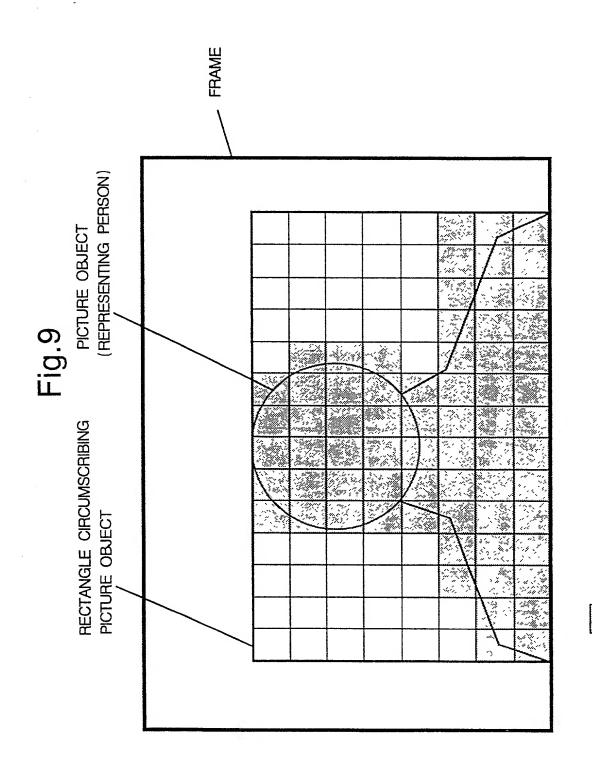
Fig.6



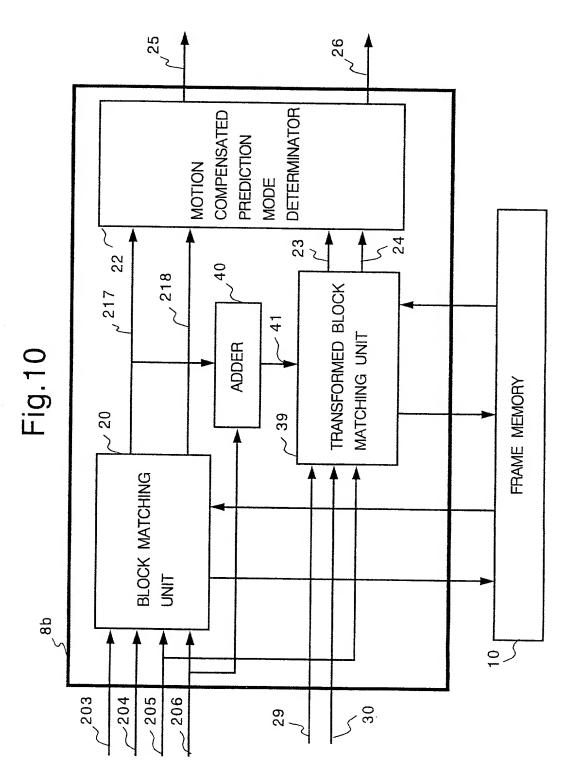








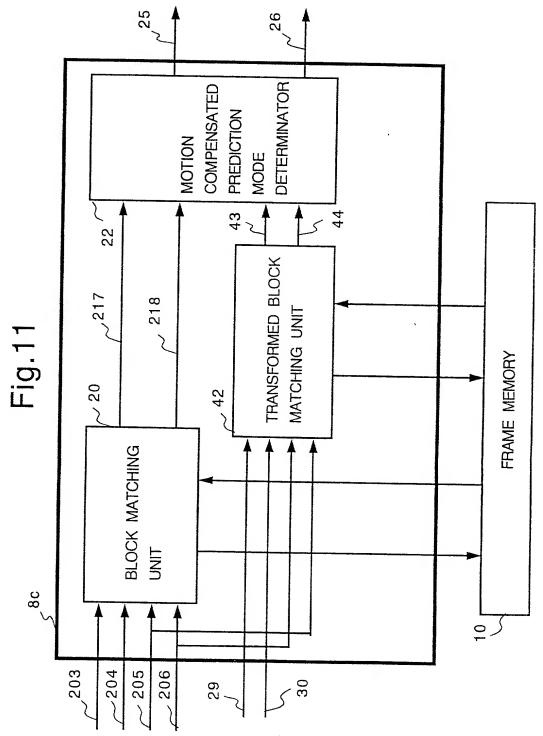
EFFECTIVE BLOCK(FORMING PICTURE OBJECT)

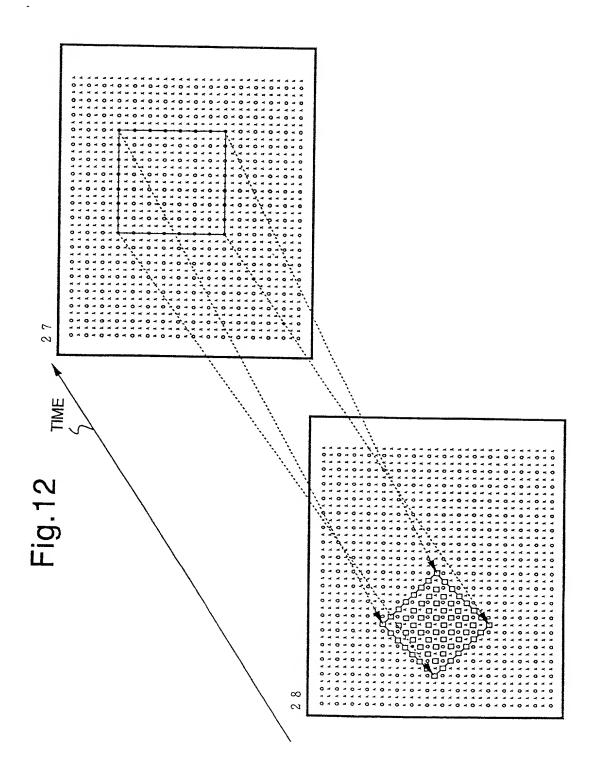


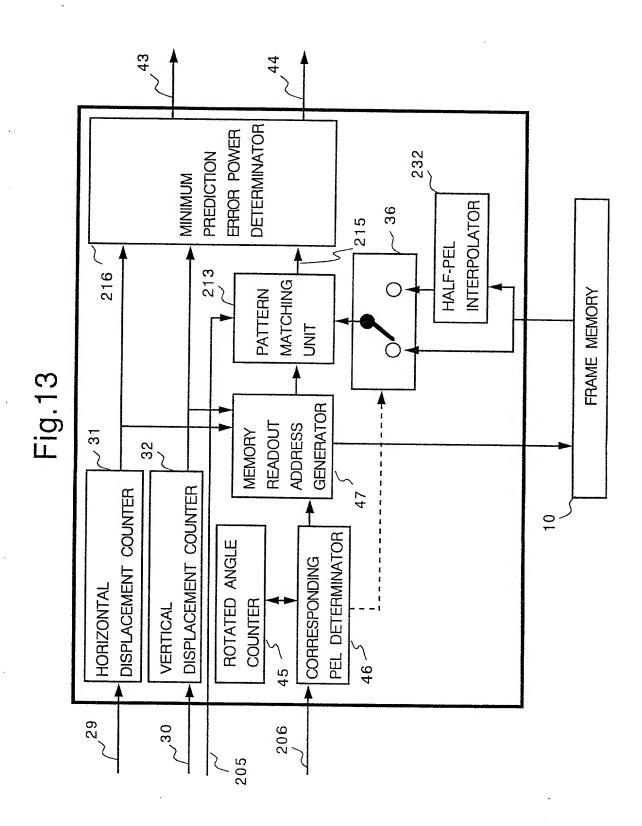
10/51

INDEELLE INDEELE

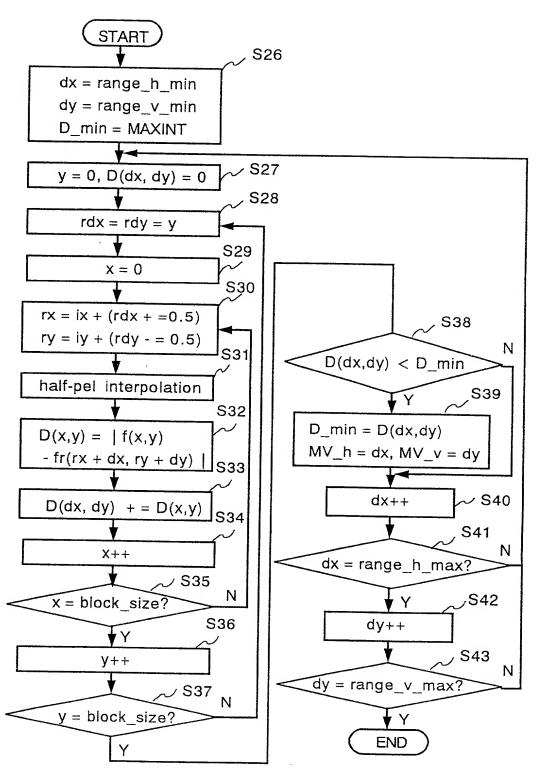
2

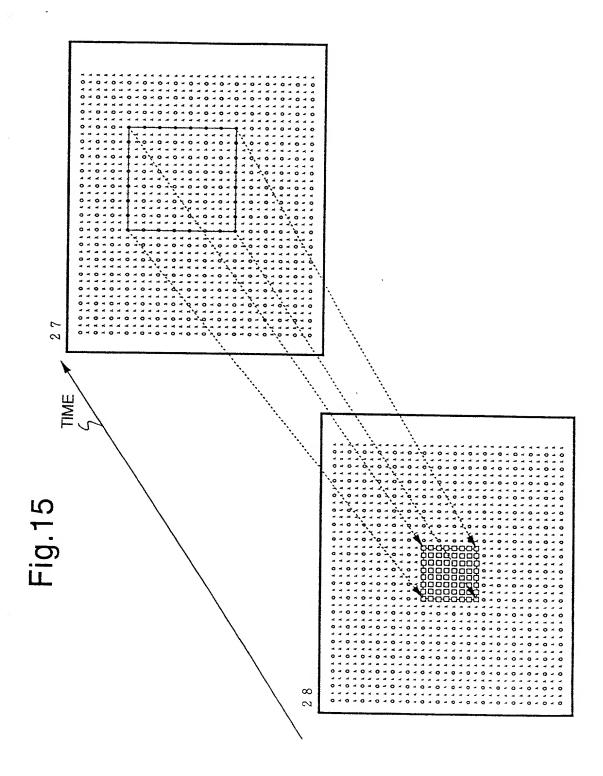


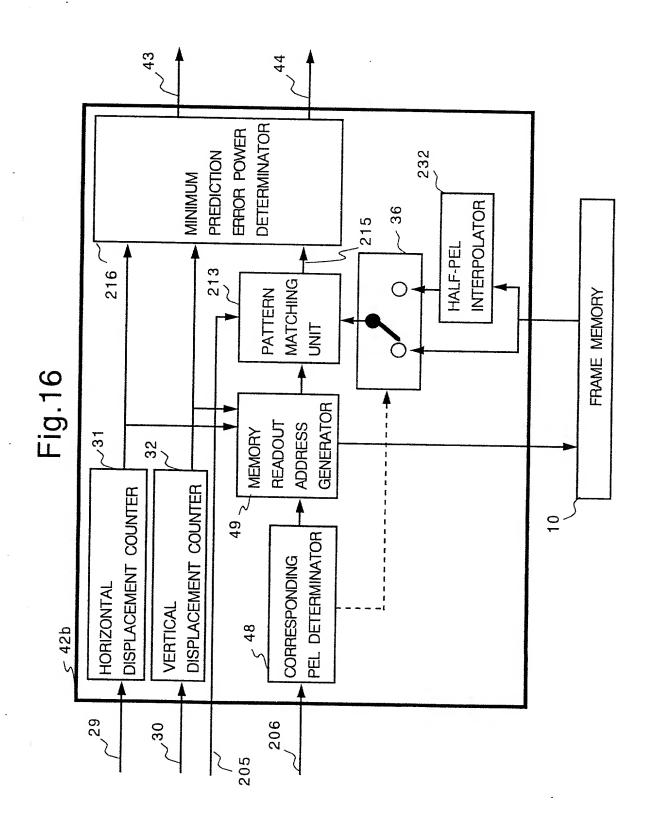




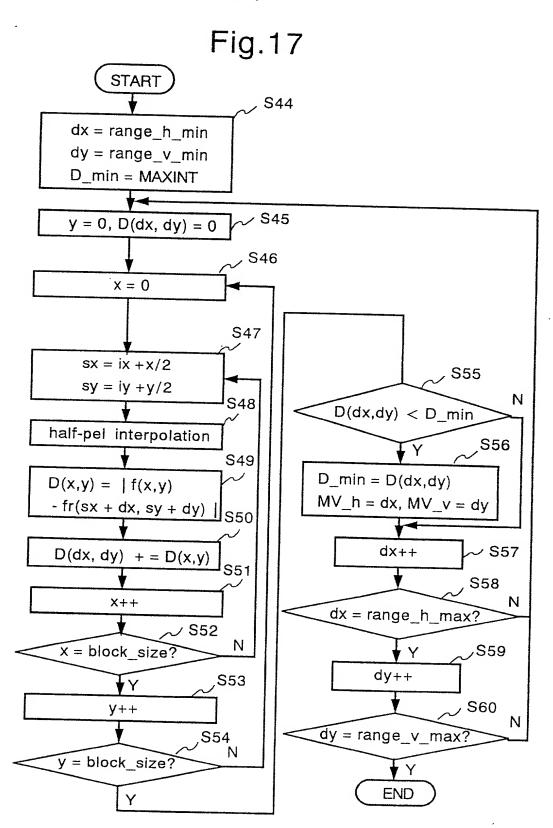
14/51 Fig.14

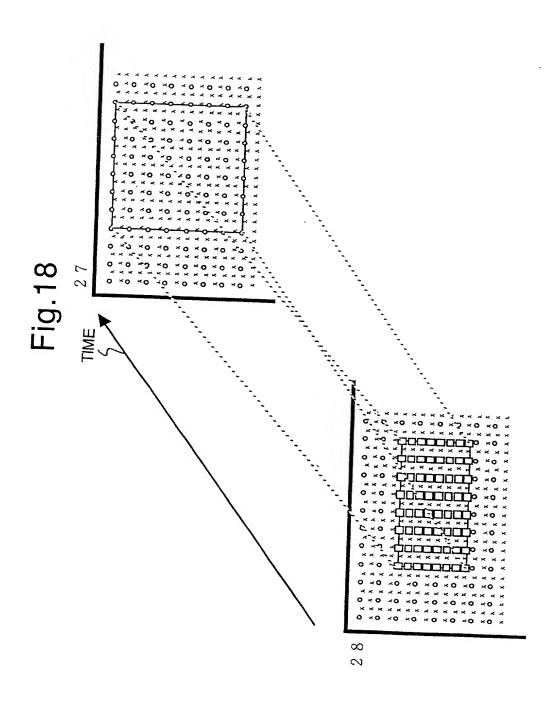






17/51





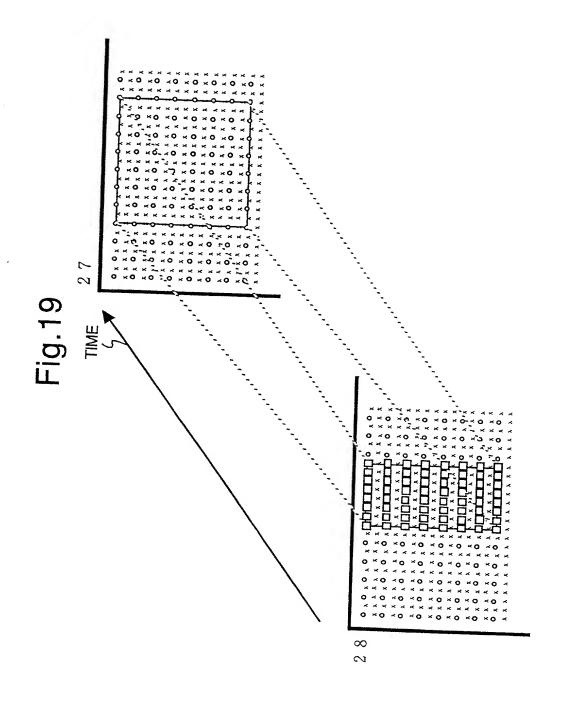
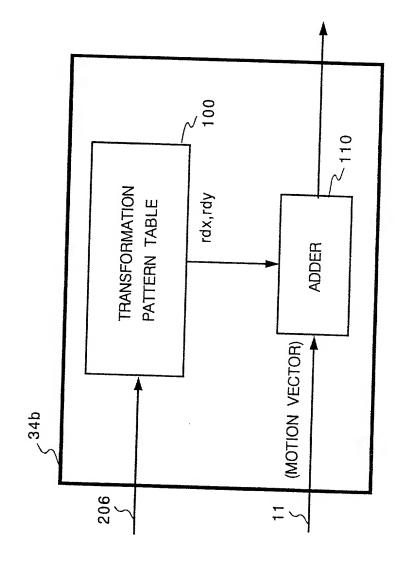
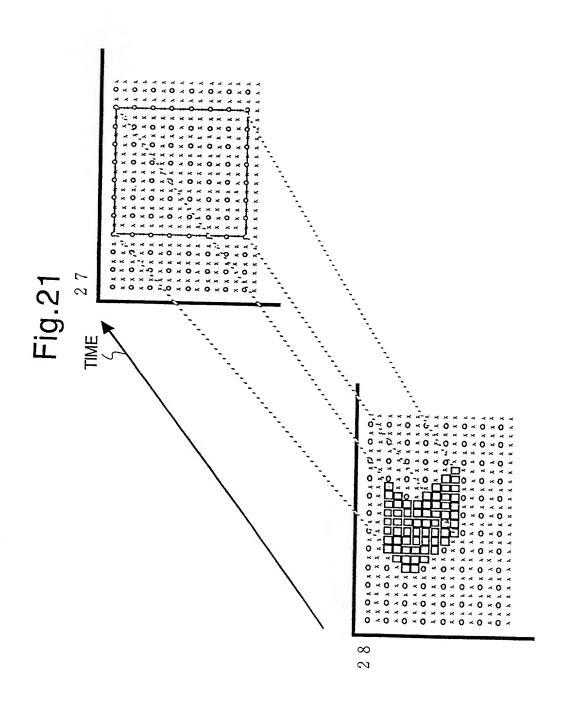
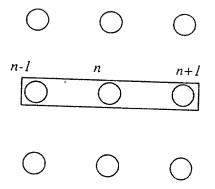


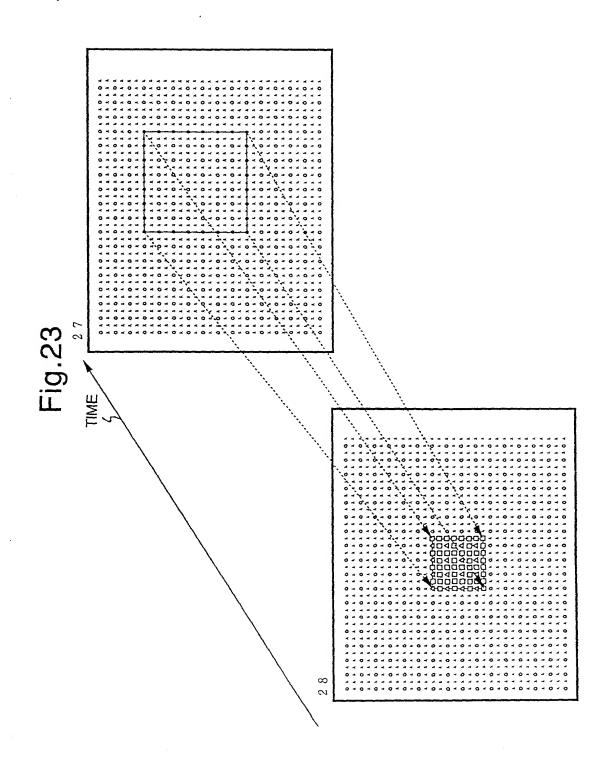
Fig.20

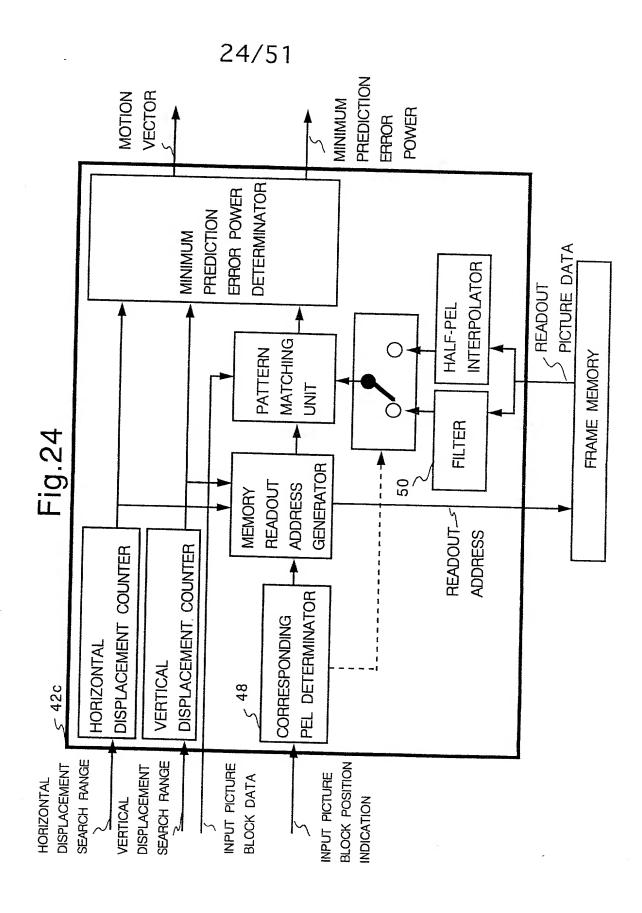


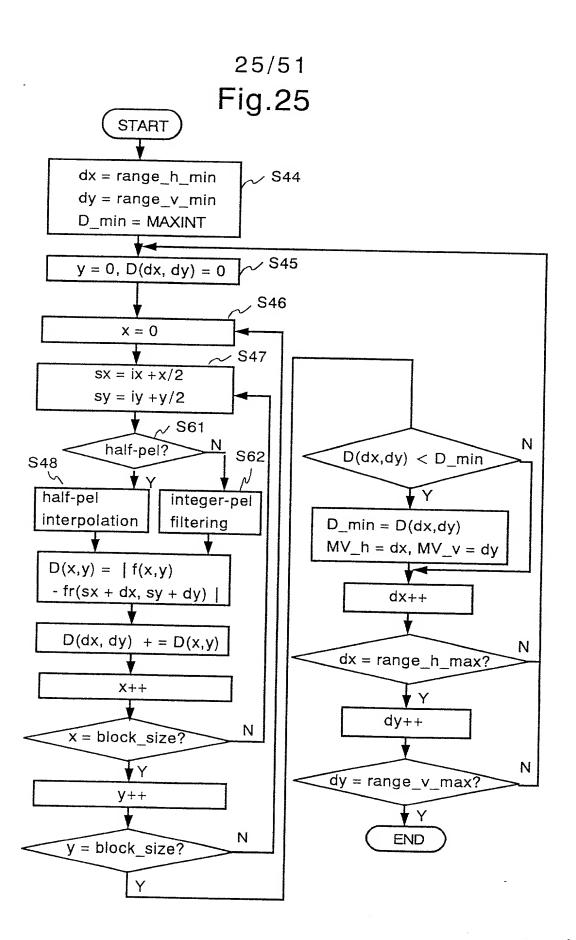


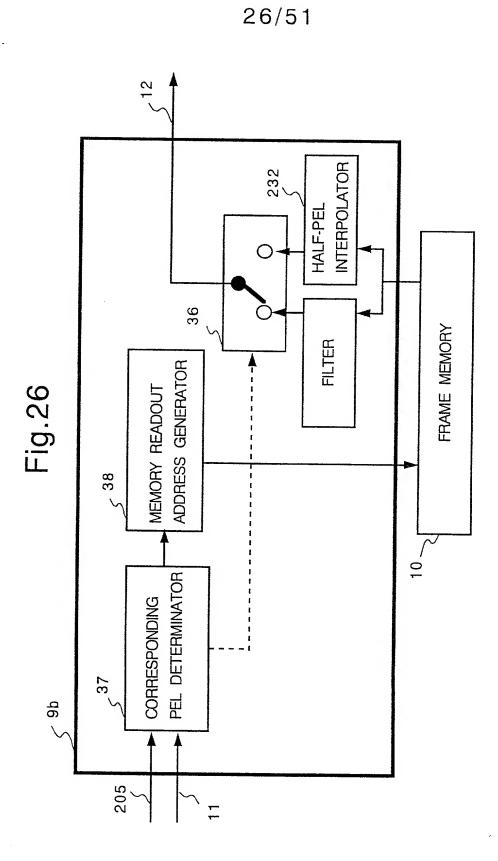
22/51 Fig.22

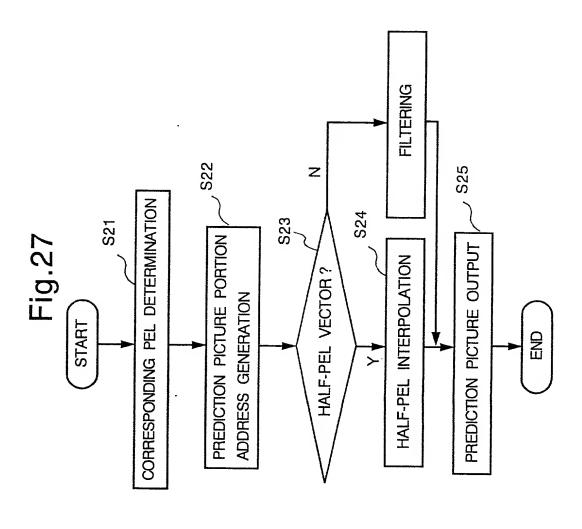




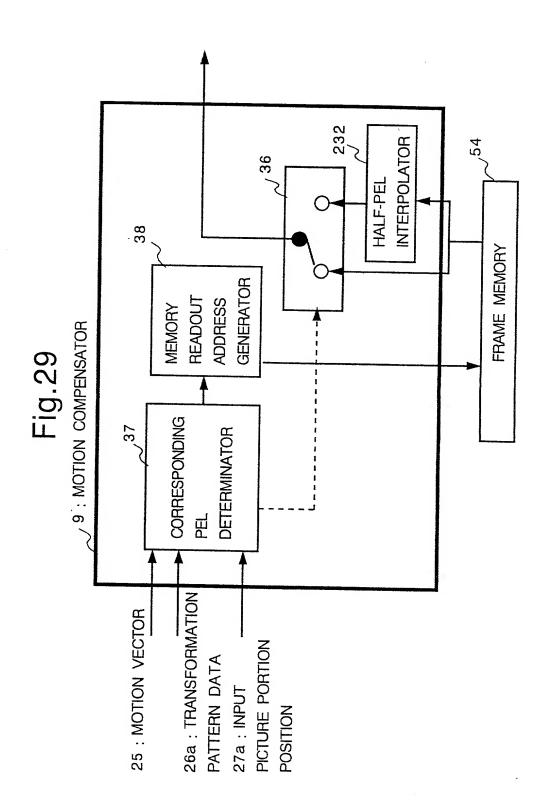




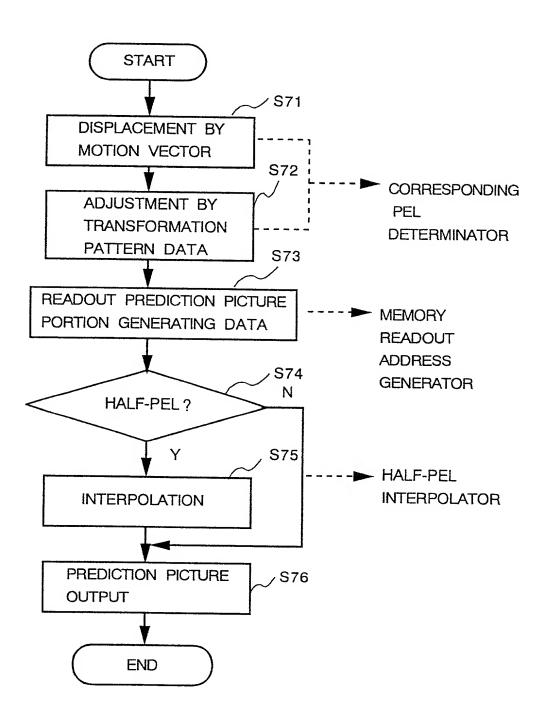


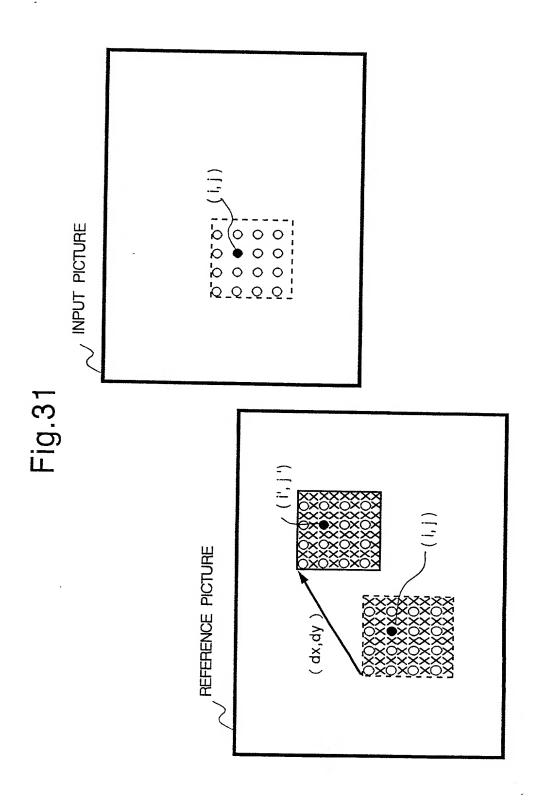


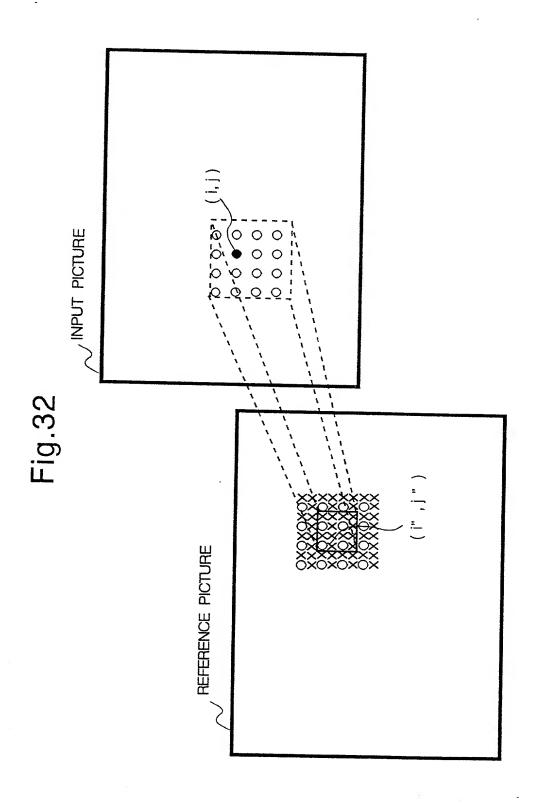
52 : QUANTIZED ORTHOGONAL TRANSFORMING COEFFICIENT 756 DISPLAY CONTROLLER 55 DECODING 12 : PREDICTION 55 : DECODED ADDER PICTURE PICTURE 17 : QUANTIZING STEP PARAMETER INVERSE ORTHOGONAL PATTERN DATA 26a: TRANSFORMATION TRANSFORMER FRAME MEMORY COMPENSATOR 25 : MOTION VECTOR DEQUANTIZER Fig.28 MOTION PICTURE PORTION 27a:INPUT DECODER ENTROPY **POSITION** 19 : ENCODED **BIT STREAM** 



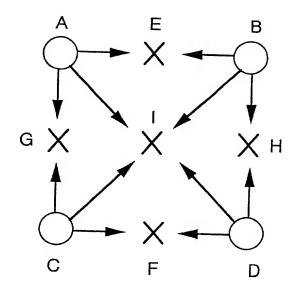
30/51 Fig.30







33/51 Fig.33



A,B,C,D: INTEGER PEL

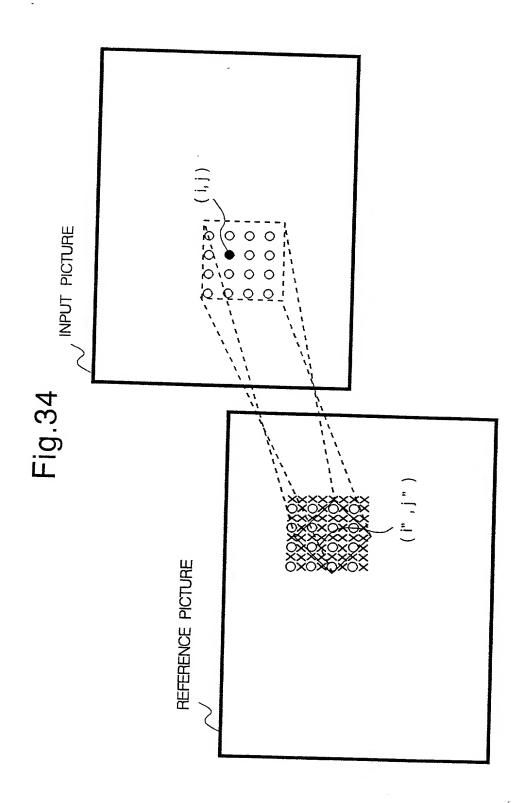
E=(A+B)/2

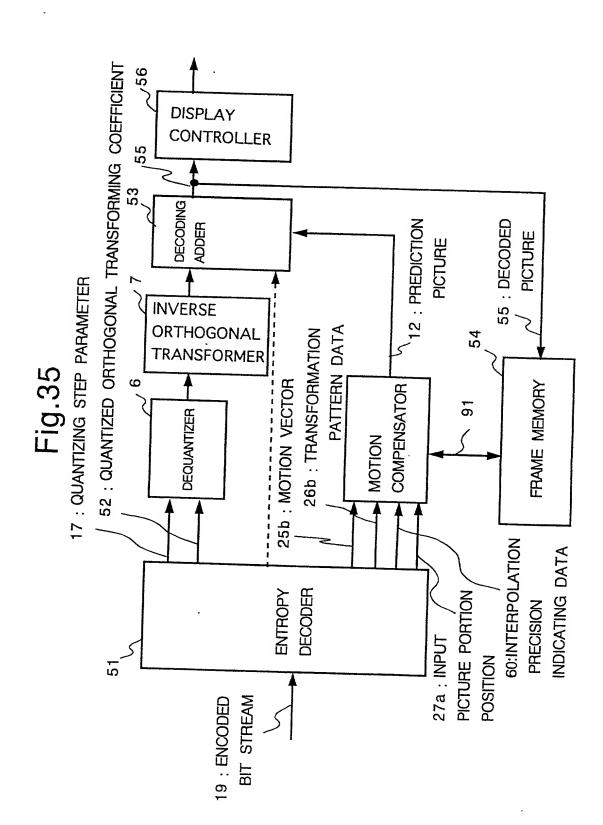
F=(C+D)/2

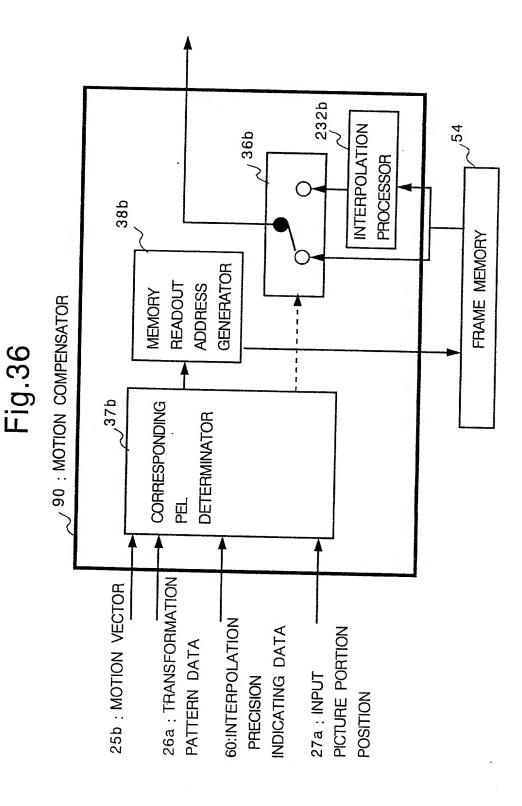
G=(A+C) / 2

H=(B+D)/2

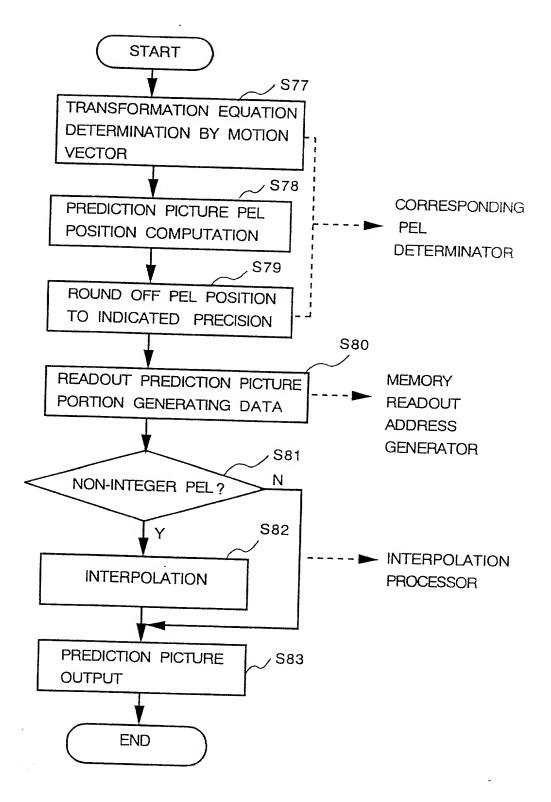
EI=(A+B+C+D) / 4

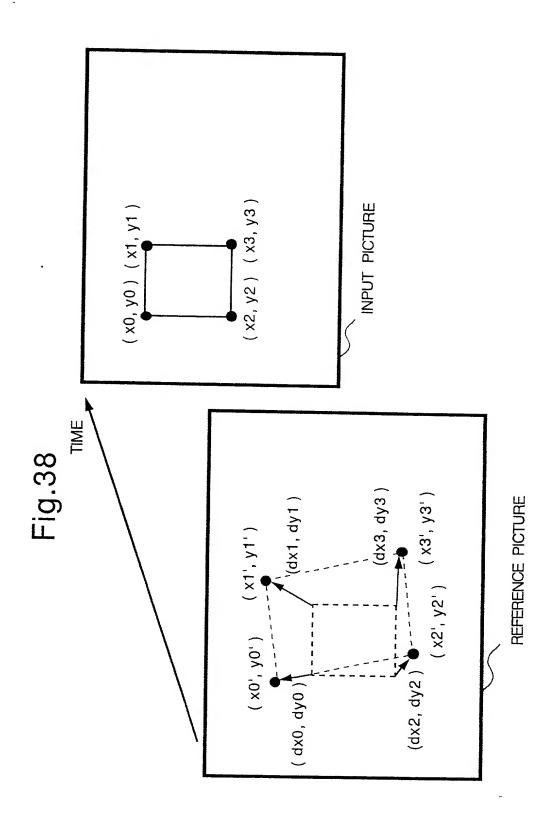




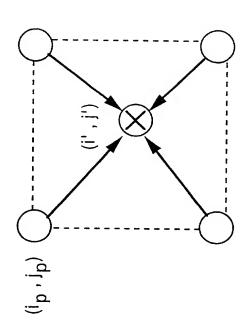


37/51 **Fig.37** 



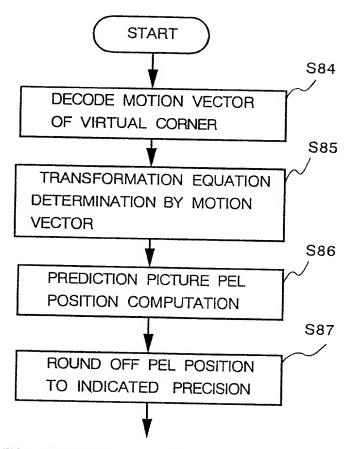


## Fig.39

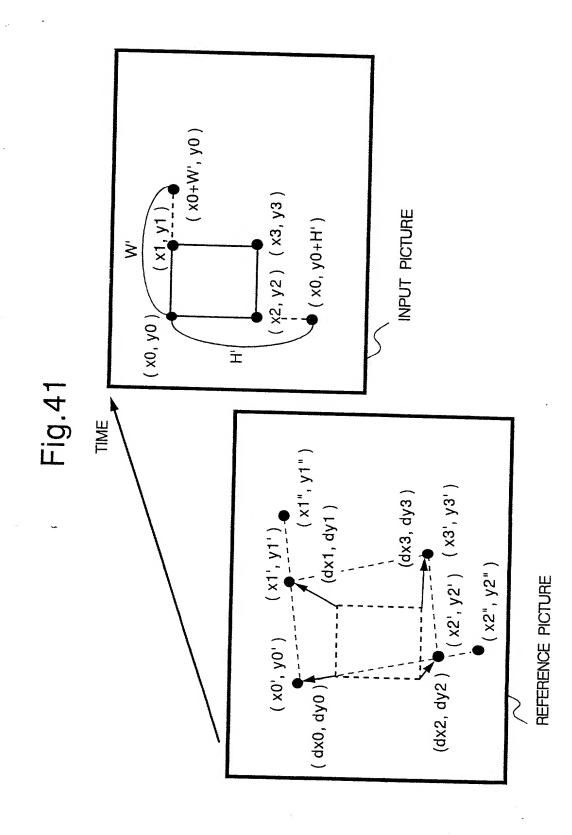


$$\hat{l}(i^{*},i^{*}) = W_{x1}W_{y1}l(i_{p},i_{p}) + W_{x2}W_{y1}l(i_{p+1},i_{p}) + W_{x2}W_{y1}l(i_{p+1},i_{p}+1) + W_{x2}W_{y2}l(i_{p+1},i_{p})$$
 
$$W_{x2} = i^{*} - i_{p}$$
 
$$W_{x1} = 1.0^{-}W_{x2}$$
 
$$W_{y2} = j^{*} - j_{p}$$
 
$$W_{y1} = 1.0^{-}W_{y2}$$

40/51 **Fig.40** 



TO PREDICTION PICTURE GENERATION



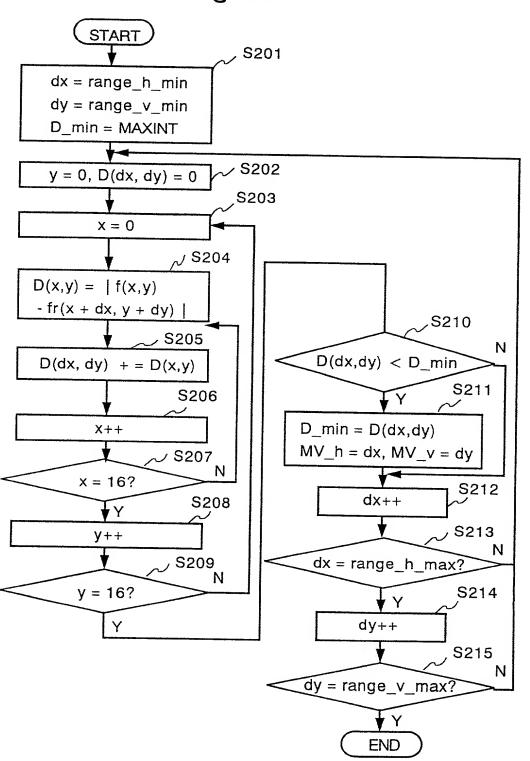
 $f_i(x,y,t)$ 

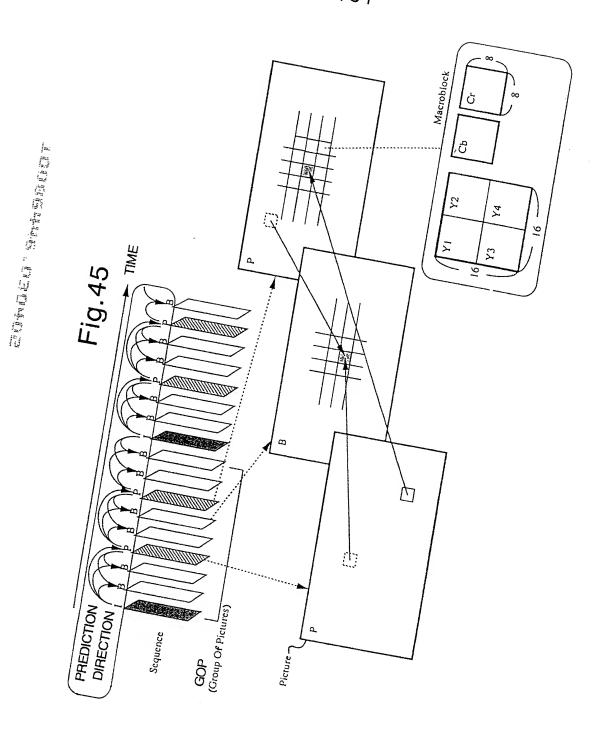
217 DETERMINATOR ERROR POWER **PREDICTION** MINIMOM 215 213 7214 216 MATCHING **PATTERN** LIND FRAME MEMORY ,209  $\sim$ 210 212 GENERATOR  $\sim 207$ ADDRESS READOUT 208 MEMORY 211 DISPLACEMENT COUNTER DISPLACEMENT COUNTER 219 HORIZONTAL VERTICAL 203 204 206

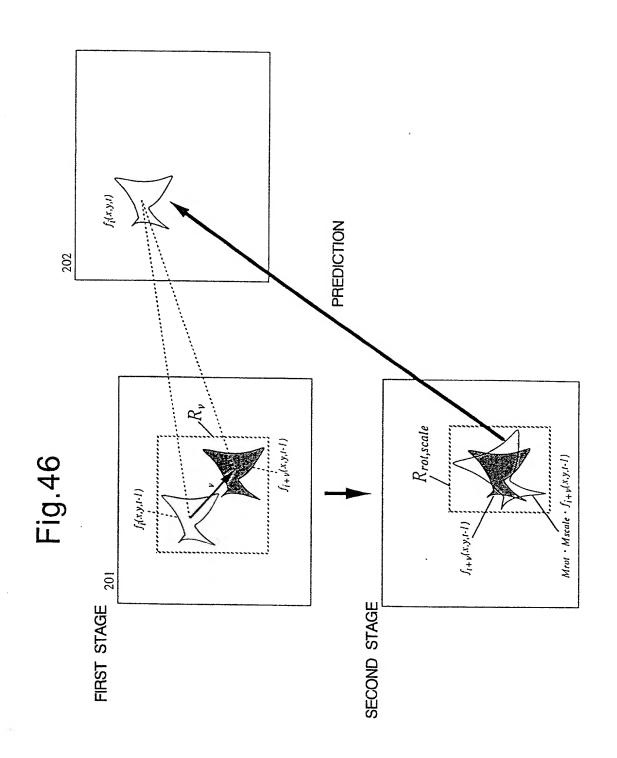
Fig.43

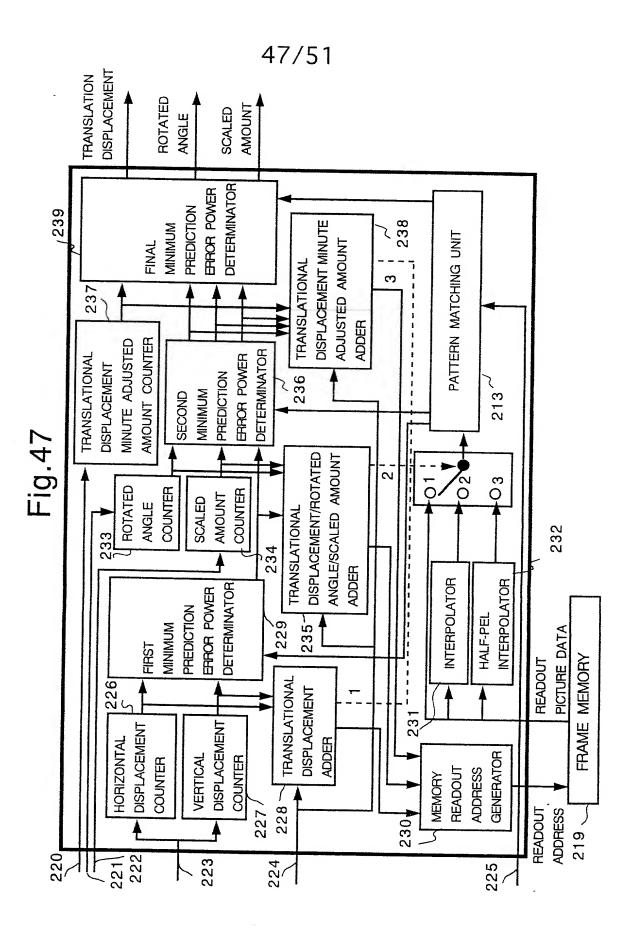
44/51

Fig.44



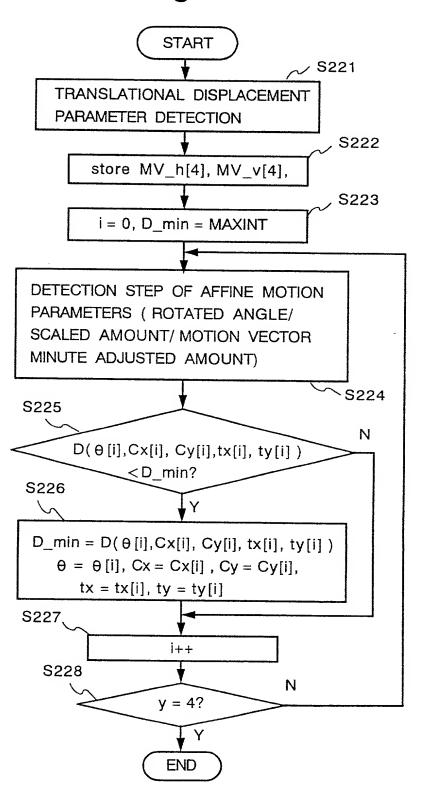




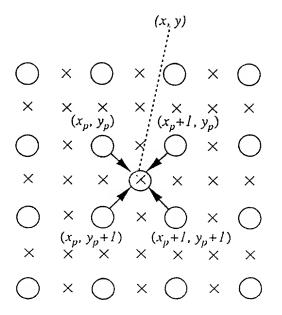


48/51

Fig.48



50/51 Fig.50



51/51 **Fig.51** 

